USER'S GUIDE 2713

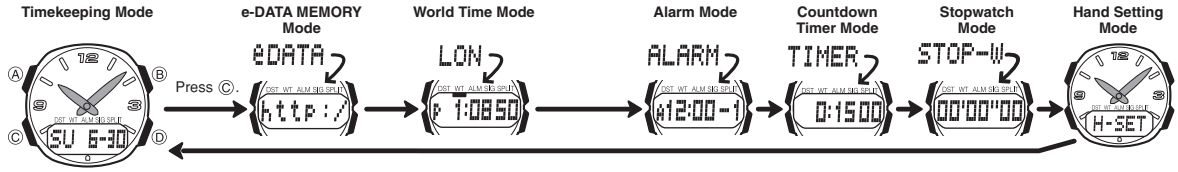
CASIO

About This Manual

- Button operations are indicated using the letters shown in the illustration.
- Each section of this manual provides you with the information you need to perform operations in each mode. Further details and technical information can be found in the "Reference" section.

General Guide

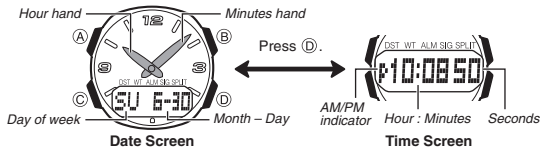
- Press Ⓒ to change from mode to mode.
- In any mode, press Ⓑ to illuminate the display.



Timekeeping

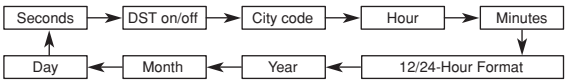
Use the Timekeeping Mode to set and view the current time and date.

- In the Timekeeping Mode, press Ⓓ to toggle the display between the date screen (day of the week, month, and day) and the time screen (hour, minutes, and seconds).
- This watch features separate digital and analog timekeeping. Note that the digital time and analog time are independent of each other, and must be set separately.



To set the digital time and date

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓒ to move the flashing in the sequence shown below to select other settings.



3. When the setting you want to change is flashing, press Ⓓ and/or Ⓑ to change it as described below.

To change this setting	Perform this button operation
Seconds	Press Ⓓ to reset to 00.
DST on/off	Press Ⓓ to toggle between DST on (ON displayed) and off (OFF displayed).
City code	Use Ⓓ to scroll through the available codes (time zone) to the east or Ⓑ to scroll to the west.
Hour, Minutes, Year, Month, Day	Use Ⓓ (+) or Ⓑ (–) to change the setting.
12/24-Hour format	Use Ⓓ to toggle between 12-hour (12H) and 24-hour (24H) timekeeping.

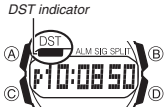
- Pressing Ⓓ while the seconds are in the range of 30 to 59 resets them to 00 and adds 1 to the minutes. In the range of 00 to 29, the minutes are unchanged.
- For full information on city codes, see the "City Code Table".

4. Press Ⓐ to exit the setting screen.

Daylight Saving Time (DST)

Daylight Saving Time (summer time) advances the time setting by one hour from Standard Time. Remember that not all countries or even local areas use Daylight Saving Time.

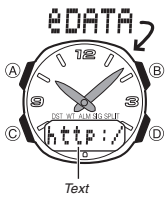
To toggle the Timekeeping Mode time between DST and Standard Time



1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓒ to move the flashing to the DST On/Off setting.
3. Press Ⓓ to toggle between Daylight Saving Time (ON displayed) and standard time (OFF displayed).
4. Press Ⓐ to exit the setting screen.

- The DST indicator appears on the display when Daylight Saving Time is turned on.

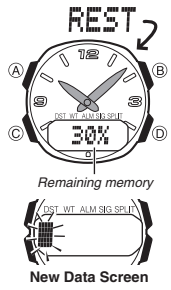
e-DATA MEMORY



You can use the watch's e-DATA MEMORY to store e-mail addresses, Web page URLs, and other text data. You can also use a password to limit access to e-DATA MEMORY contents.

- You can input up to 63 characters for each e-DATA MEMORY record. See "e-DATA MEMORY Management" for information about the number of records you can store.
- All of the operations in this section are performed in the e-DATA MEMORY Mode, which you enter by pressing Ⓒ.

To create a new e-DATA MEMORY record

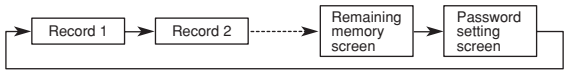


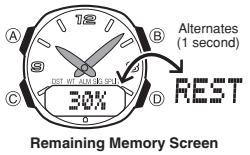
1. In the e-DATA MEMORY Mode, use Ⓓ and Ⓑ to display the remaining memory screen.
   - If 0% is shown for remaining memory, it means that memory is full. To store another record, you will first have to delete some of the records stored in memory.
2. Hold down Ⓐ until the flashing cursor (▮) appears on the display, which indicates the setting screen.
3. Input the text you want.
   - When inputting the text, use Ⓓ (+) and Ⓑ (–) to cycle through characters at the current cursor location, and Ⓒ to move the cursor to the right. See "Inputting Text".
4. Press Ⓐ to store your data and return to the e-DATA MEMORY record screen (without the cursor).

- The text can show only six characters at a time, so longer text scrolls continuously from right to left. The last character is indicated by the symbol ◀ after it. Press Ⓐ to stop and restart scrolling.
- Records are stored in memory in the sequence they are created.

To recall e-DATA MEMORY records

In the e-DATA MEMORY Mode, use Ⓓ to cycle through e-DATA MEMORY records as shown below.





- The Remaining Memory screen shows remaining memory as a percent value.
- Memory is full when the percent value shows **0%**.
- You can use the Password Setting screen to register, edit, or delete your password. See "Using a Password to Protect e-DATA MEMORY Data" for more information.

To edit an e-DATA MEMORY record

1. In the e-DATA MEMORY Mode, use Ⓓ to display the record you want to edit.
2. Hold down Ⓐ until the flashing cursor appears on the display.
3. Use Ⓒ to move the flashing to the character you want to change.
4. Use Ⓓ (+) and Ⓑ (–) to change the character.
5. After making the changes you want, press Ⓐ to store them and return to the e-DATA MEMORY record screen.

To delete an e-DATA MEMORY record

1. In the e-DATA MEMORY Mode, use Ⓓ to display the record you want to delete.
2. Hold down Ⓐ until the flashing cursor appears on the display.
3. Press Ⓑ and Ⓓ at the same time to delete the record.
   - The message CLR appears to indicate that the record is being deleted. After the record is deleted, the cursor appears on the display, ready for input.
4. Input data or press Ⓐ to return to the e-DATA MEMORY record screen.

Using a Password to Protect e-DATA MEMORY Data

You can register a 4-digit password to keep e-DATA MEMORY data secure.

Important!

Use a 4-digit password that is easy for you to remember, but difficult for others to decipher. If you forget the password, you will have to have your watch initialized (which deletes all data in memory) in order to access the e-DATA MEMORY again. To have the watch initialized, contact the store or dealer where you purchased it, and ask to have the AC operation performed.

To register a new password

1. In the e-DATA MEMORY Mode, use Ⓓ to display the Password Setting screen.
   • This displays a screen that shows PASS-W SET.
2. Hold down Ⓐ for about two seconds until 0 starts to flash.
   • This is the New Password Setting screen.
3. Use Ⓓ (+) and Ⓑ (–) to scroll through numbers at the first digit.
4. When the first digit is the number you want, press Ⓒ to advance to the next digit.
   • You cannot use Ⓒ to advance to the next digit unless you input a value at the current digit first.
5. Repeat steps 3 and 4 to input all four digits of the password you want.
   • Pressing Ⓐ while inputting a new password clears your input and returns to the Password Setting screen.
6. After all four of the password digits are the way you want, press Ⓒ to register them.

• This stores the password and then displays the Password Setting screen.
• After registering a password, you can input, recall, edit and delete data, if you want. After you exit the e-DATA MEMORY Mode, you will have to input the password every time you want to enter it again.

To input the password

1. Enter the e-DATA MEMORY Mode.
2. On the Password Input screen (PASS-W), press Ⓓ. This causes the first digit of the password to flash.
3. Input the password.
   • Use Ⓓ (+) and Ⓑ (–) to scroll through numbers at each digit.
   • Press Ⓒ to advance to the next digit.
   • Pressing Ⓐ while inputting the password clears your input and returns to the Password Input screen.
4. After the password is the way you want, press Ⓒ.

• If the input password matches the one registered, the message OK! appears, followed by an e-DATA MEMORY screen.
• If the password does not match, the message ERR appears, followed by the Password Input screen.

To change the password

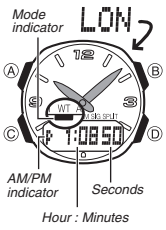
1. Enter the e-DATA MEMORY Mode by inputting the current password.
2. Use Ⓓ to display the Password Setting screen.
3. Perform the procedure starting from step 2 under "To register a new password" to specify the new password.

To delete the password

1. Enter the e-DATA MEMORY Mode by inputting the current password.
2. Use Ⓓ to display the Password Setting screen.
3. Hold down Ⓐ for about two seconds until 0 starts to flash.
4. Press Ⓑ and Ⓓ at the same time to delete the password.

• The message CLR appears to indicate that the password is being deleted. After the password is deleted, the Password Setting screen appears.

World Time



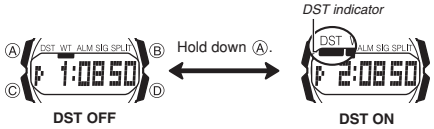
The World Time shows the current time in 27 cities (29 time zones) around the world.
• For full information on city codes, see the "City Code Table".
• The current time for all city codes in the World Time Mode is calculated in accordance with the Greenwich Mean Time (GMT) differential for each city, based on the your Home City (the city whose time and date you are setting in the Timekeeping Mode) time setting.
• All of the operations in this section are performed in the World Time Mode, which you enter by pressing Ⓒ.

To view the time in another city code

In the World Time Mode, press Ⓓ to scroll city codes (time zones).
• If the current time shown for a city is wrong, check your Timekeeping Mode time and Home City code settings and make the necessary changes.

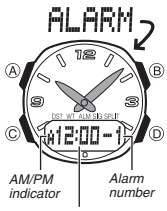
To switch between Standard Time and Daylight Saving Time

In the World Time Mode, hold down Ⓐ to toggle between Daylight Saving Time and Standard Time.



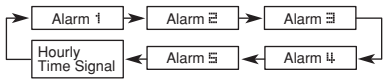
• Daylight Saving Time (DST) advances the time setting by one hour from Standard Time. Remember that the not all countries or even local areas use Daylight Saving Time.
• Note that the DST/Standard Time setting affects only the currently displayed city code. Other city codes are not affected.
• The DST indicator is on the display whenever you display a city code for which Daylight Saving Time is turned on.

Alarms



You can set five independent Daily Alarms. When an alarm is turned on, the alarm tone sounds when the alarm time is reached.
When the Hourly Time Signal is turned on, the watch beeps every hour on the hour.
• There are five alarm screens numbered 1 through 5. The Hourly Time Signal screen is indicated by :00.
• An alarm setting (and an Hourly Time Signal setting) is available in the Alarm Mode, which you enter by pressing Ⓒ.

To set an alarm time



1. In the Alarm Mode, use Ⓓ to select the alarm whose time you want to set.
2. After you select an alarm, hold down Ⓐ until the hour setting of the alarm time starts to flash, which indicates the setting screen.
   • At this time, the alarm is turned on automatically.
3. Press Ⓒ to move the flashing between the hour and minutes.
4. While a setting is flashing, use Ⓓ (+) or Ⓑ (–) to change it.
   • When setting the alarm time using the 12-hour format, take care to set the time correctly as a.m (**A**) or p.m. (**P**).
5. Press Ⓐ to exit the setting screen.

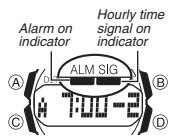
Alarm Operation

The alarm tone sounds at the preset time for about 20 seconds.
• Pressing any button stops the alarm tone operation.

To test the alarm

In the Alarm Mode, hold down Ⓓ to sound the alarm.
• Note that pressing Ⓓ to test the alarm also cycles through the Daily Alarm and Hourly Time Signal described below.

To turn the Daily Alarm and Hourly Time Signal on and off



1. In the Alarm Mode, use Ⓓ to select an alarm or the Hourly Time Signal.
2. When the alarm or the Hourly Time Signal you want is selected, press Ⓐ to turn it on (▬ displayed) and off (▬ not displayed).
   • The alarm on indicator and the Hourly Time Signal on indicator are shown on the display in all modes while these functions are turned on.
   • If any alarm is on, the alarm indicator is shown on the display when you change to another mode.

Countdown Timer

The countdown timer can be set within a range of one minute to 24 hours. An alarm sounds when the countdown reaches zero.
• The initial default countdown start time when you purchase the watch or after you have its battery replaced is 15 minutes.
• The countdown operation continues even if you exit the Countdown Timer Mode.
• All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing Ⓒ.

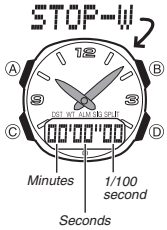
To use the countdown timer

Press Ⓓ while in the Countdown Timer Mode to start the countdown timer.
• When the end of the countdown is reached, the alarm sounds for 10 seconds or until you stop it by pressing any button. The countdown time is automatically reset to its starting value after the alarm stops.
• Press Ⓓ while a countdown operation is in progress to pause it. Press Ⓓ again to resume the countdown.
• To completely stop a countdown operation, first pause it (by pressing Ⓓ), and then press Ⓐ. This returns the countdown time to its starting value.

To set the countdown start time

1. In the Countdown Timer Mode, hold down Ⓐ until the hours of the countdown start time start to flash, which indicates the setting screen.
2. Press Ⓒ to move the flashing between the hours and minutes.
3. While a setting is flashing, use Ⓓ (+) or Ⓑ (–) to change it.
   • To set the starting value of the countdown time to 24 hours, set 0:00.
4. Press Ⓐ to exit the setting screen.

Stopwatch



The stopwatch lets you measure elapsed time, split times, and two finishes.
• The display range of the stopwatch is 59 minutes, 59.99 seconds.
• The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
• The stopwatch measurement operation continues even if you exit the Stopwatch Mode.
• Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
• All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing Ⓒ.

To measure times with the stopwatch

Elapsed Time

Ⓓ **Start** → Ⓓ **Stop** → Ⓓ **Re-start** → Ⓓ **Stop** → Ⓐ **Clear**

Split Time

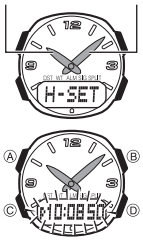
Ⓓ **Start** → Ⓐ **Split** (**SPLIT** indicator displayed) → Ⓐ **Split release** → Ⓓ **Stop** → Ⓐ **Clear**

Two Finishes

Ⓓ **Start** → Ⓐ **Split** (First runner finishes. Display time of first runner.) → Ⓓ **Stop** (Second runner finishes.) → Ⓐ **Split release** (Display time of second runner.) → Ⓐ **Clear**

Hand Setting

Hour hand *Minutes hand*



When the analog setting does not match the time shown on the digital display, use this mode to correct the analog setting.

- This watch features separate digital and analog timekeeping. Note that the digital time and analog time are independent of each other, and must be set separately.

To set the analog time

1. Hold down Ⓐ while in the Hand Setting Mode until the time in the digital display (Timekeeping Mode time) starts to flash.
2. Use Ⓑ and Ⓓ to set the analog time.
   - Each press of Ⓓ advances the hands 20 seconds.
   - Pressing Ⓑ while holding down Ⓓ causes the hand setting to change at high speed, even if you release the buttons. Press any button to stop.
   - The analog time setting does not stop automatically when it reaches the current time. You must stop the hands manually.
   - Note that the hands can be advanced only and cannot be moved back. Take care so you do not go past the setting you want to make.
3. After you set the analog time, press Ⓐ to exit the setting screen.

- Depending on your timing when you operate the Ⓓ button, the above operation can cause the minute hand timing to become late. If this happens, repeat the above operation to correct the minute hand timing.

Reference

This section contains more detailed and technical information about watch operation. It also contains important precautions and notes about the various features and functions of this watch.

Auto return features

- If you leave the watch in the e-DATA MEMORY Mode for two or three minutes without performing any operation, it automatically changes to the Timekeeping Mode.
- If you leave a screen with a flashing setting for two or three minutes without performing any operation, the watch automatically saves any settings you have made up to that point and exits the setting screen.

Data and Setting Scrolling

The Ⓑ and Ⓓ buttons are used in various setting screens to scroll through data on the display. In most cases, holding down these buttons during a scroll operation scrolls through the data at high speed.

Initial Screens

When you enter the Alarm Mode, the data you were viewing when you last exited the mode appears first.

Timekeeping

- The day of the week is automatically displayed in accordance with the date (year, month, and day) settings.
- The year can be set in the range of 2000 to 2039.
- The watch's built-in full automatic calendar automatically makes allowances for different month lengths and leap years. Once you set the date, there should be no reason to change it except after you have the watch's battery replaced.

12-hour/24-hour Timekeeping Formats

The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is also applied in all other modes.

- With the 12-hour format, the **P** (PM) indicator appears on the display for times in the range of noon to 11:59 p.m. and the **A** (AM) indicator appears for times in the range of midnight to 11:59 a.m.
- With the 24-hour format, times are displayed in the range of 0:00 to 23:59, without any indicator.

World Time

- The current time in all World Time Mode cities is calculated in accordance with the Greenwich Mean Time (GMT) differential for each city, based on the current Home City time setting in the Timekeeping Mode.
- The GMT differential is the time difference of the time zone where the city is located from Greenwich Mean Time.
- GMT differential is calculated by this watch based on Universal Time Coordinated (UTC) data.

e-DATA MEMORY Management

e-DATA MEMORY can hold up to 315 characters total, while each record can contain up to 63 characters. The maximum number of records depends on the number of characters per record, as shown below.

- 63 characters per record: 5 records
- 7 characters per record: 40 records

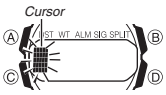
When you purchase the watch, e-DATA MEMORY contains one record, with the text: **http://world.casio.com**. This text is also stored automatically whenever memory contents are cleared by battery replacement.

Inputting Text

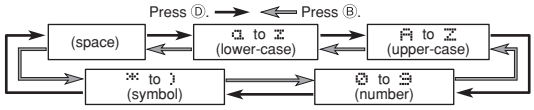
The following describes how to input text in the e-DATA MEMORY Mode.

To input characters

Cursor



1. When the cursor is on the display, use Ⓓ and Ⓑ to cycle through the available letters, numbers and symbols, in the sequence shown below.



2. When the character you want is at the cursor position, press Ⓒ to move the cursor to the right.
3. Repeat steps 1 and 2 to input the rest of the characters you want.

- See the "Character List" for information about the characters you can input.

Neon Illuminator

The Neon Illuminator uses LED (light-emitting diode) blacklight in combination with fluorescent paint, which reflects blacklight to produce figures that are easy to read in the dark. Press Ⓑ to illuminate the display for about two seconds.

- Illumination may be hard to see when viewed under direct sunlight.
- Illumination turns off automatically whenever an alarm sounds.
- Frequent use of illumination shortens battery life.

Character List

(Space)	a	b	c	d	e	f	g
h	i	j	k	l	m	n	o
p	q	r	s	t	u	v	w
x	y	z	A	B	C	D	E
F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U
V	W	X	Y	Z	0	1	2
3	4	5	6	7	8	9	*
-	_	@	~	/	\	?	#
!	%	.	:	;	'	,	&
=	+	(	)				

City Code Table

GMT differential	City Code	City	Other major cities in same time zone
–11	–11		
–10	HNL	HONOLULU	PAPEETE
–9	ANC	ANCHORAGE	NOME
–8	LAX	LOS ANGELES	SAN FRANCISCO, LAS VEGAS, VANCOUVER, SEATTLE, DAWSON CITY
–7	DEN	DENVER	EL PASO, EDMONTON
–6	CHI	CHICAGO	HOUSTON, DALLAS/FORT WORTH, NEW ORLEANS, MEXICO CITY, WINNIPEG
–5	NYC	NEW YORK	MONTREAL, DETROIT, MIAMI, BOSTON, PANAMA CITY, HAVANA, LIMA, BOGOTA
–4	CCS	CARACAS	LA PAZ, SANTIAGO, PORT OF SPAIN
–3	RIO	RIO DE JANEIRO	SAO PAULO, BUENOS AIRES, BRASILIA, MONTEVIDEO
–2	–2		
–1	–1		
0	GMT		
0	LON	LONDON	DUBLIN, LISBON, CASABLANCA, DAKAR, ABIDJAN
+1	PAR	PARIS	MILAN, ROME, MADRID, AMSTERDAM, ALGIERS, HAMBURG, FRANKFURT, VIENNA, STOCKHOLM, BERLIN
+2	CAI	CAIRO	ATHENS, HELSINKI, ISTANBUL,
	JRS	JERUSALEM	BEIRUT, DAMASCUS, CAPE TOWN
+3	JED	JEDDAH	MOSCOW, KUWAIT, RIYADH, ADEN, ADDIS ABABA, NAIROBI
+3.5	THR	TEHRAN	SHIRAZ
+4	DXB	DUBAI	ABU DHABI, MUSCAT
+4.5	KBL	KABUL	
+5	KHI	KARACHI	MALE
+5.5	DEL	DELHI	MUMBAI, KOLKATA
+6	DAC	DHAKA	COLOMBO
+6.5	RGN	YANGON	
+7	BKK	BANGKOK	JAKARTA, PHNOM PENH, HANOI, VIENTIANE
+8	HKG	HONG KONG	SINGAPORE, KUALA LUMPUR, BEIJING, TAIPEI, MANILA, PERTH, ULAANBAATAR
+9	TYO	TOKYO	SEOUL, PYONGYANG
+9.5	ADL	ADELAIDE	DARWIN
+10	SYD	SYDNEY	MELBOURNE, GUAM, RABAUL
+11	NOU	NOUMEA	PORT VILA
+12	WLG	WELLINGTON	CHRISTCHURCH, NADI, NAURU ISLAND

**Based on data as of December 2001.*